

associated with the incorrect opinion that women have a better developed imagination and no tendency to technically exact sciences. After all, at the moment we can cite as an example a large number of female architects who are world famous and have made a significant contribution to the development of world architecture.

Therefore, to be a woman in architecture is a privilege and a difficulty at the same time. Women should be stronger than men. However, for women it is not merely a problem, but a challenge.

EVOLO SKYSCRAPERS COMPETITIONS

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The SKYHIVE 2019 Skyscraper Challenge is the second annual architecture competition which searches out the latest and greatest designs for an iconic high rise structure. Participants of the SKYHIVE Challenge are tasked with creating a concept for a state-of-the-art tower that breaks the norm. Established in 2006, the annual Skyscraper Competition is one of the world's most prestigious awards for high-rise architecture. It recognizes outstanding ideas that redefine skyscraper design through the implementation of novel technologies, materials, programs, aesthetics, and spatial organizations along with studies on globalization, flexibility, adaptability, and the digital revolution.

Participants are encouraged to incorporate new technologies and materials in their designs, as well as unique aesthetics and spatial organizations. Special consideration is also given to designs that implement innovations in sustainable systems, as well as those that look to solve economic, social, and cultural problems through the establishment of new architectural methods.

The annual SKYHIVE Challenge is a platform to examine the relationship between skyscrapers and the natural world, the community, and the city as a whole. It is important that designs show consideration for the impact on the surrounding environment, as well as how the increase in inhabitants will affect the current infrastructure, pollution levels, economic division, and urban sprawl.

Here are some examples of new generation Skyscrapers. The Nested Skyscraper adapts to climatic, urban, and programmatic conditions with the use of advanced materials and robotic construction. The construction method consist of a series of robots that stretch a network of carbon sleeves that are sprayed with fiber-laced concrete to create a primary structure of “nests” is a hybrid of compressive and tensile elements.

A space and tectonic responsive hospital is easy to assemble and reflects the society. It shows the BMI from the morphology of itself. The whole building is divided into a frame a core tube structure, a large assembled body, which is an

independent department module, and a small mobile body which is a medical cubic module inside the large assembled body. The small medical cubic module could move on the track in and among the large assembled bodies to form the body of the body of the independent department.

Competition participants are allowed to interpret the competition brief however they choose, in the most creative way possible. The SKYHIVE Challenge is a chance for architecture enthusiasts to potentially rewrite the definition of the modern-day skyscraper.

The competition is an investigation on the public and private space and the role of the individual and the collective in the creation of a dynamic and adaptive vertical community. It is also a response to the exploration and adaptation of new habitats and territories based on a dynamic equilibrium between man and nature – a new kind of responsive and adaptive design capable of intelligent growth through the self-regulation of its own systems.

References

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NEW ARCHITECTURAL METHODOLOGIES

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The changes of architecture and architectural appearance perception are caused by fast and successful development of high-techs, formation of new architectural space theories, including “Interactive Architecture” concept.

It consists of cybernetics, geometry and human activity syntheses. The distinctive features in such buildings and complexes are the availability of interactive components, that provides any looker-on an opportunity to get involved in this or that action of the cognitive process. Traditionally, the roofs and walls of the construction protect us, however, different dynamic sounds, smells, temperature, radio waves are available around us. There is also a public infrastructure, that supports the space, designed by us. Within the architectural context the "interactive" component helps to cause the interaction both among themselves, and between people and space.

The interactive architecture is deviation from the traditional optics of designing urban spaces, strengthening the dynamics and uncertainty of physical